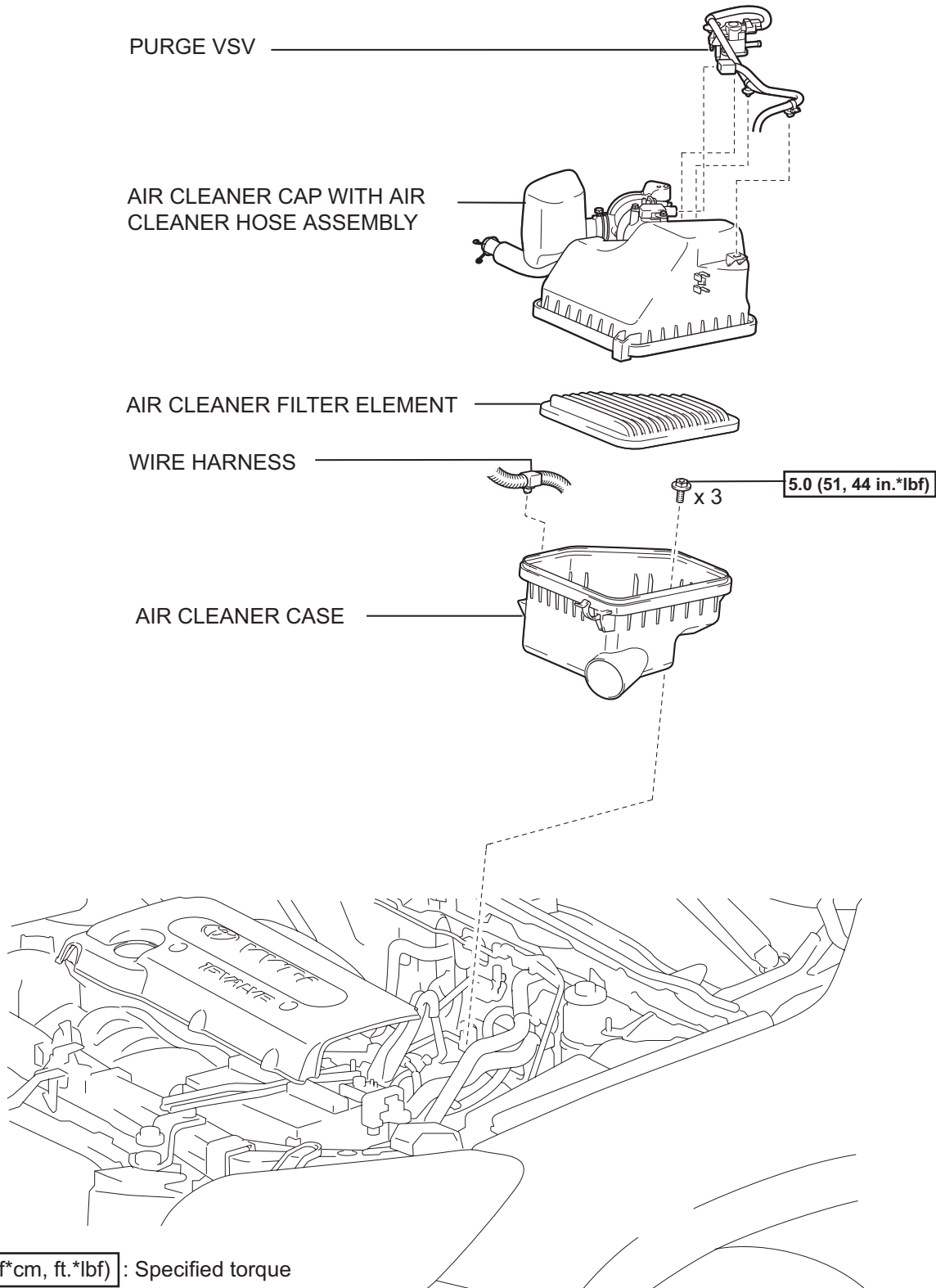
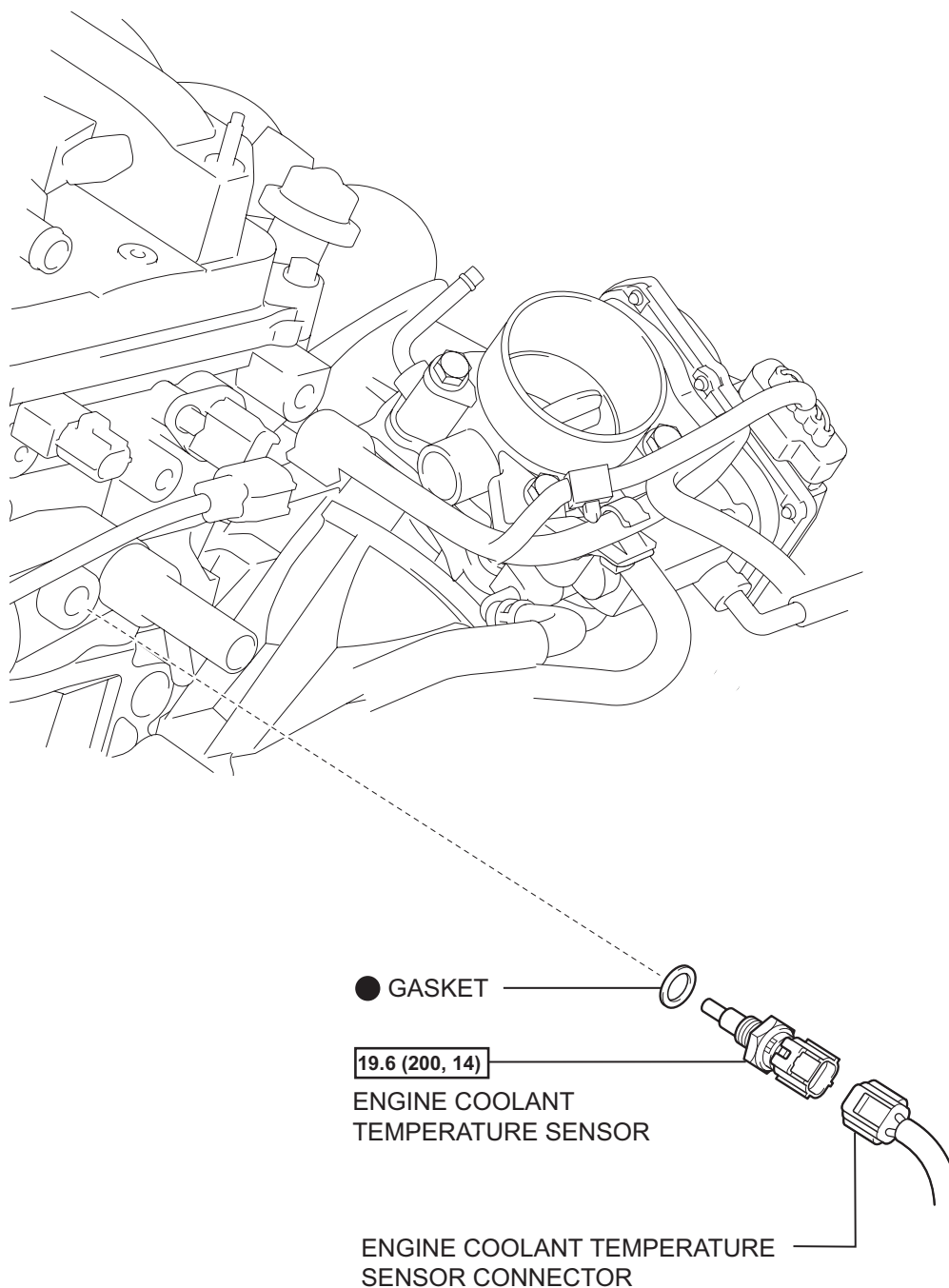


ENGINE COOLANT TEMPERATURE SENSOR

COMPONENTS

ES





N*m (kgf*cm, ft.*lbf) : Specified torque

● Non-reusable part

REMOVAL

1. DRAIN ENGINE COOLANT (See page [CO-6](#))
2. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

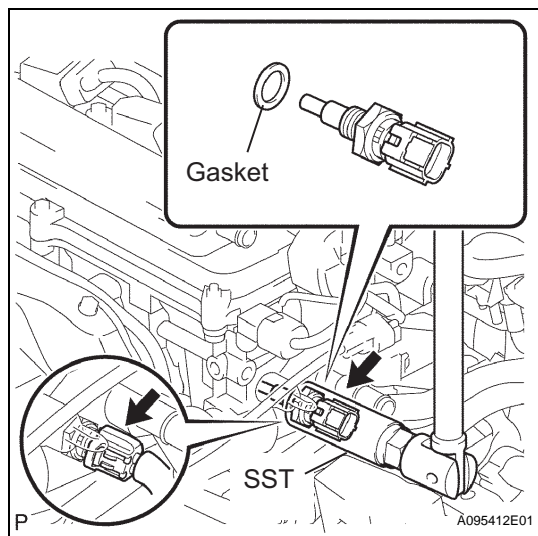
CAUTION:

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to prevent airbag and seat belt pretensioner activation.

3. REMOVE AIR CLEANER CAP (See page [ES-411](#))
4. REMOVE AIR CLEANER CASE (See page [ES-429](#))
5. REMOVE ENGINE COOLANT TEMPERATURE SENSOR

- (a) Disconnect the sensor connector.
- (b) Using SST, remove the sensor and gasket.

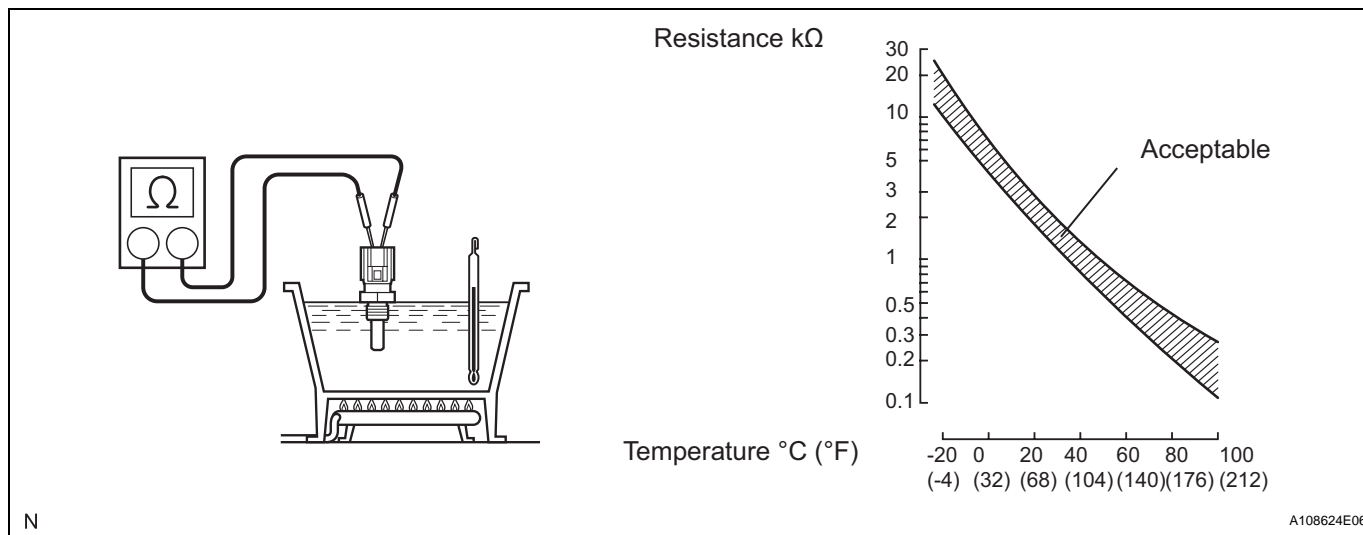
SST 09817-33190

ES

INSPECTION

1. INSPECT ENGINE COOLANT TEMPERATURE SENSOR

- (a) Measure the resistance of the sensor.



Standard resistance

Tester Connection	Specified Condition
1 (E2) - 2 (THW)	2.32 to 2.59 kΩ at 20°C (68°F)
1 (E2) - 2 (THW)	0.310 to 0.326 kΩ at 80°C (176°F)

NOTICE:

If checking the sensor in water, be careful not to allow water to contact the terminals. After checking, wipe the water off the sensor.

If the result is not as specified, replace the sensor.

INSTALLATION

1. INSTALL ENGINE COOLANT TEMPERATURE SENSOR

- (a) Install a new gasket onto the sensor.
 (b) Using SST, install the sensor.

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Torque: 19.6 N*m (200 kgf*cm, 14 ft.*lbf)

- (c) Connect the sensor connector.

2. INSTALL AIR CLEANER CASE (See page [ES-431](#))

3. INSTALL AIR CLEANER CAP (See page [ES-413](#))

4. CONNECT CABLE TO NEGATIVE BATTERY TERMINAL

5. ADD ENGINE COOLANT (See page [CO-6](#))

6. CHECK FOR COOLANT LEAKAGE (See page [CO-1](#))

